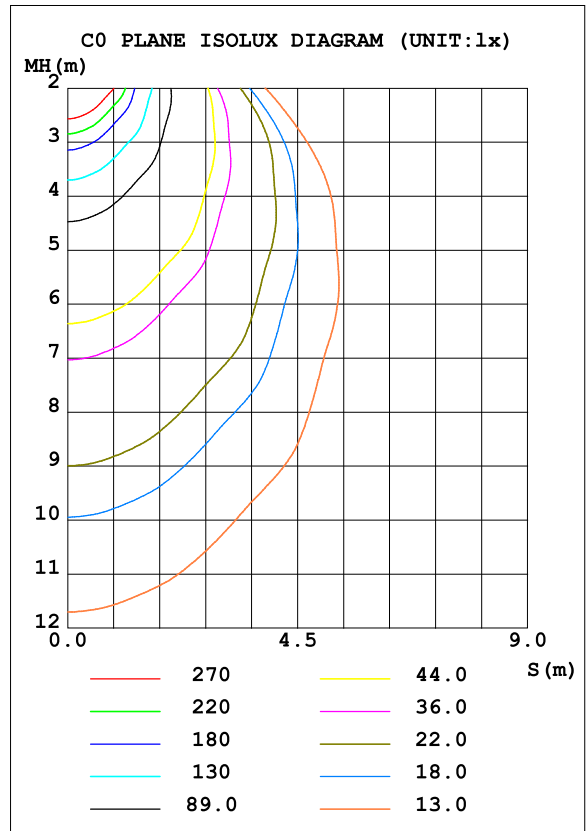
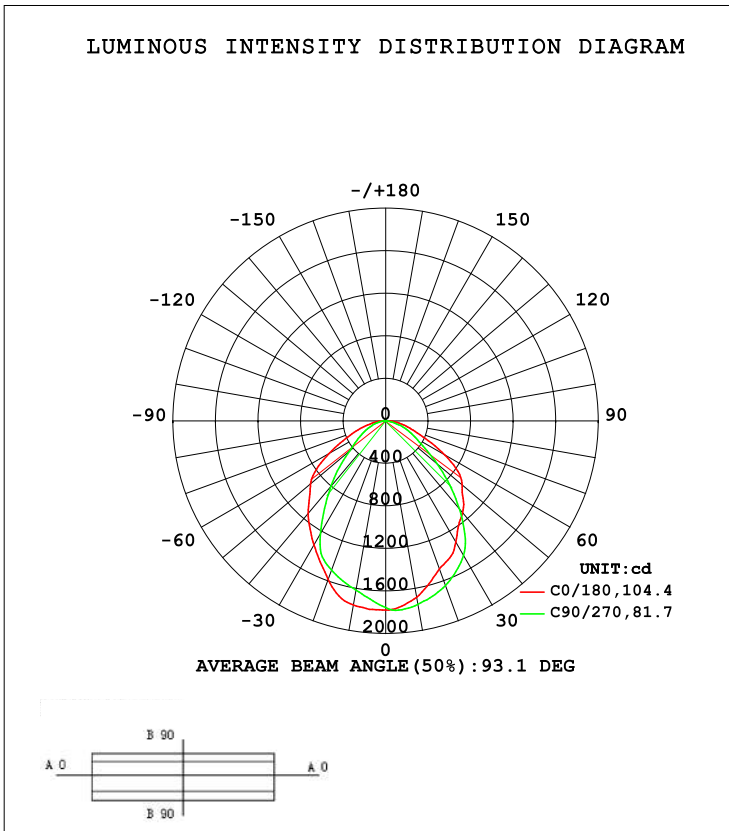


## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.04 lm/W			
MODEL	TS-FL0803-30W-D-K-80*110-5000K	Imax (cd)	1789	S/MH (C0/180)	1.14
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.09
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3993.4	$\eta$ UP, DN (C0-180)	0.5, 52.8
NOMINAL FLUX (lm)	3993.44	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.7, 45.9
LAMPS INSIDE	1	$\eta$ up (%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	$\eta$ down (%)	98.7	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

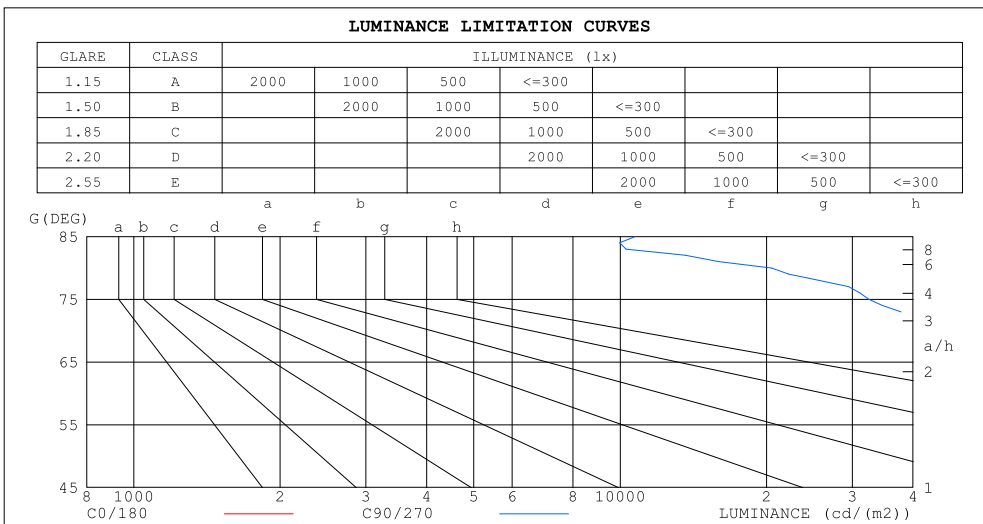
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1685	1735	1752	1757	1758	1647	1616	1592	0- 10	164.5	164.5	4.12,4.12
20	1481	1556	1647	1634	1586	1483	1492	1393	10- 20	456.4	620.8	15.5,15.5
30	1319	1343	1463	1408	1348	1259	1231	1186	20- 30	659.5	1280	32.1,32.1
40	1127	1158	1077	1151	1134	1033	802.4	987.8	30- 40	744.0	2024	50.7,50.7
50	939.1	933.2	637.8	897.0	922.9	776.5	445.4	709.9	40- 50	705.2	2730	68.4,68.4
60	641.4	716.6	334.6	679.3	616.1	529.7	264.7	480.2	50- 60	583.3	3313	83,83
70	295.0	379.5	177.2	370.7	318.2	285.2	149.6	267.7	60- 70	384.0	3697	92.6,92.6
80	128.8	131.7	41.29	123.6	128.3	116.2	59.22	104.3	70- 80	193.9	3891	97.4,97.4
90	17.19	14.36	6.565	11.56	17.92	20.70	10.36	18.07	80- 90	51.37	3942	98.7,98.7
100	6.140	3.561	2.643	3.596	5.339	5.238	6.500	6.886	90-100	9.985	3952	99,99
110	4.974	4.167	3.520	4.221	6.270	6.520	5.921	6.127	100-110	5.163	3957	99.1,99.1
120	6.123	5.429	4.894	5.430	7.714	7.831	7.531	7.808	110-120	5.833	3963	99.2,99.2
130	7.801	6.795	6.621	6.652	9.210	9.071	9.287	9.356	120-130	6.588	3970	99.4,99.4
140	9.267	8.531	8.025	8.293	10.05	10.41	10.69	10.76	130-140	6.774	3977	99.6,99.6
150	10.80	9.946	9.408	9.898	12.00	11.90	11.41	11.98	140-150	6.405	3983	99.7,99.7
160	12.55	11.49	11.36	11.90	13.22	13.40	13.56	13.15	150-160	5.426	3988	99.9,99.9
170	13.64	13.02	13.13	13.47	14.03	14.16	14.09	14.11	160-170	3.743	3992	100,100
180	14.45	14.01	14.31	14.29	14.50	14.04	14.34	14.31	170-180	1.327	3993	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	62825	10726
80	63942	20497
75	69714	32489
70	74363	44652
65	90151	51063
60	110580	57691
55	124840	67991
50	125950	85537
45	125605	103767

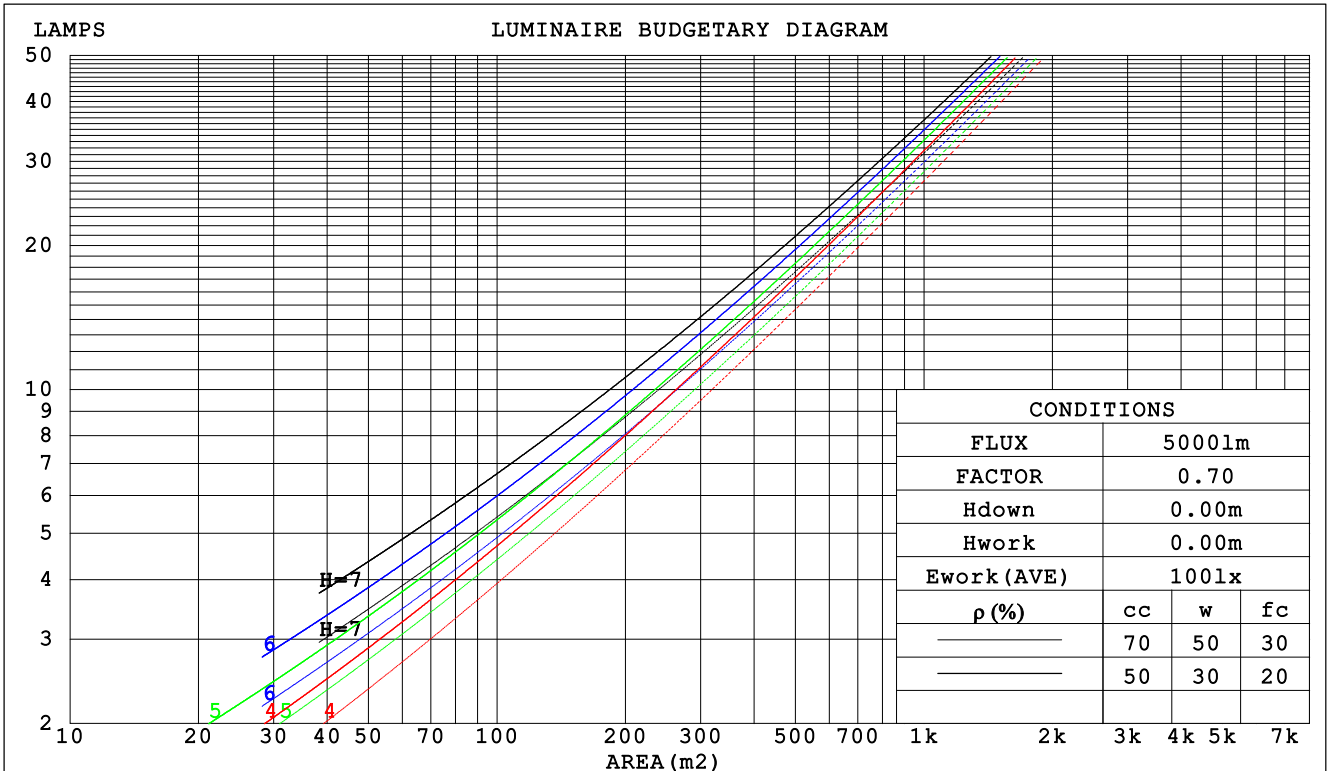
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio									Coefficients of Utilization(CU)						
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.05	1.01	.98	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.90	.88	.87	.85
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.83	.79	.76	.80	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.68	.77	.71	.66	.74	.69	.65	.72	.67	.64	.62
4.0	.73	.65	.59	.72	.64	.58	.69	.63	.57	.67	.61	.56	.65	.60	.56	.53
5.0	.66	.57	.51	.65	.57	.51	.63	.55	.50	.60	.54	.49	.58	.53	.49	.47
6.0	.60	.51	.45	.59	.51	.45	.57	.50	.44	.55	.49	.44	.53	.48	.43	.41
7.0	.54	.46	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.49	.43	.39	.37
8.0	.50	.42	.36	.49	.41	.36	.48	.41	.36	.46	.40	.35	.45	.39	.35	.33
9.0	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30
10.0	.42	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-10-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.282	.160	.051	.275	.157	.050	.261	.150	.048	.248	.143	.046	.236	.137	.044	
2.0	.268	.147	.045	.262	.144	.044	.250	.139	.043	.238	.134	.042	.228	.129	.041	
3.0	.251	.133	.040	.245	.131	.039	.234	.127	.039	.224	.123	.038	.215	.119	.037	
4.0	.233	.121	.036	.228	.119	.035	.219	.116	.035	.210	.113	.034	.201	.109	.033	
5.0	.217	.111	.032	.212	.109	.032	.204	.106	.031	.196	.103	.031	.189	.101	.030	
6.0	.202	.101	.029	.198	.100	.029	.191	.098	.028	.184	.095	.028	.177	.093	.028	
7.0	.189	.094	.027	.186	.092	.026	.179	.090	.026	.172	.088	.026	.167	.087	.025	
8.0	.177	.087	.024	.174	.086	.024	.168	.084	.024	.162	.082	.024	.157	.081	.023	
9.0	.167	.081	.023	.164	.080	.022	.158	.078	.022	.153	.077	.022	.148	.075	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.073	.021	.145	.072	.020	.141	.071	.020	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.188	.166	.146	.161	.143	.126	.110	.098	.087	.063	.057	.051	.020	.018	.016	
2.0	.179	.142	.111	.153	.122	.096	.105	.085	.067	.061	.049	.039	.019	.016	.013	
3.0	.171	.124	.087	.146	.107	.075	.100	.074	.053	.058	.043	.031	.019	.014	.010	
4.0	.163	.111	.071	.140	.096	.061	.096	.067	.043	.056	.039	.026	.018	.013	.008	
5.0	.156	.100	.059	.134	.087	.052	.092	.061	.036	.053	.036	.022	.017	.012	.007	
6.0	.149	.092	.051	.128	.079	.044	.088	.056	.031	.051	.033	.019	.016	.011	.006	
7.0	.142	.085	.045	.122	.073	.039	.084	.051	.028	.049	.030	.016	.016	.010	.005	
8.0	.136	.079	.040	.117	.068	.035	.081	.048	.025	.047	.028	.015	.015	.009	.005	
9.0	.130	.074	.036	.112	.064	.032	.078	.045	.022	.045	.027	.013	.015	.009	.004	
10.0	.124	.070	.033	.107	.061	.029	.074	.043	.021	.043	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm										
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.: 0.16*0.076			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	30.0	31.5	30.4	31.9	32.2	25.2	26.7	25.6	27.1	27.4
3H	31.0	32.4	31.4	32.7	33.1	26.3	27.7	26.7	28.1	28.4
4H	31.4	32.7	31.8	33.1	33.5	26.6	27.9	27.1	28.3	28.7
6H	31.7	32.9	32.2	33.3	33.7	26.8	28.0	27.2	28.3	28.8
8H	31.8	33.0	32.3	33.4	33.8	26.8	27.9	27.2	28.3	28.7
12H	31.9	33.0	32.3	33.4	33.8	26.7	27.8	27.2	28.2	28.7
4H 2H	30.5	31.8	30.9	32.2	32.6	27.1	28.4	27.5	28.7	29.1
3H	31.8	32.9	32.2	33.3	33.7	28.3	29.4	28.7	29.8	30.2
4H	32.3	33.3	32.8	33.7	34.2	28.6	29.6	29.1	30.0	30.5
6H	32.8	33.6	33.3	34.1	34.6	28.8	29.6	29.2	30.1	30.6
8H	32.9	33.7	33.4	34.2	34.7	28.7	29.5	29.2	30.0	30.5
12H	33.0	33.7	33.5	34.2	34.7	28.7	29.4	29.2	29.9	30.4
8H 4H	32.5	33.3	33.0	33.8	34.3	29.3	30.1	29.8	30.5	31.0
6H	33.1	33.7	33.6	34.2	34.8	29.5	30.2	30.0	30.7	31.2
8H	33.3	33.9	33.8	34.4	34.9	29.5	30.1	30.1	30.6	31.1
12H	33.5	34.0	34.0	34.5	35.1	29.5	30.0	30.0	30.5	31.1
12H 4H	32.5	33.2	33.0	33.7	34.2	29.4	30.1	29.9	30.6	31.1
6H	33.1	33.7	33.6	34.2	34.7	29.6	30.2	30.2	30.7	31.3
8H	33.3	33.9	33.9	34.4	35.0	29.7	30.2	30.2	30.7	31.3
CIE190: 2010										

CIE190: 2010  
Area: 0.0116 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:

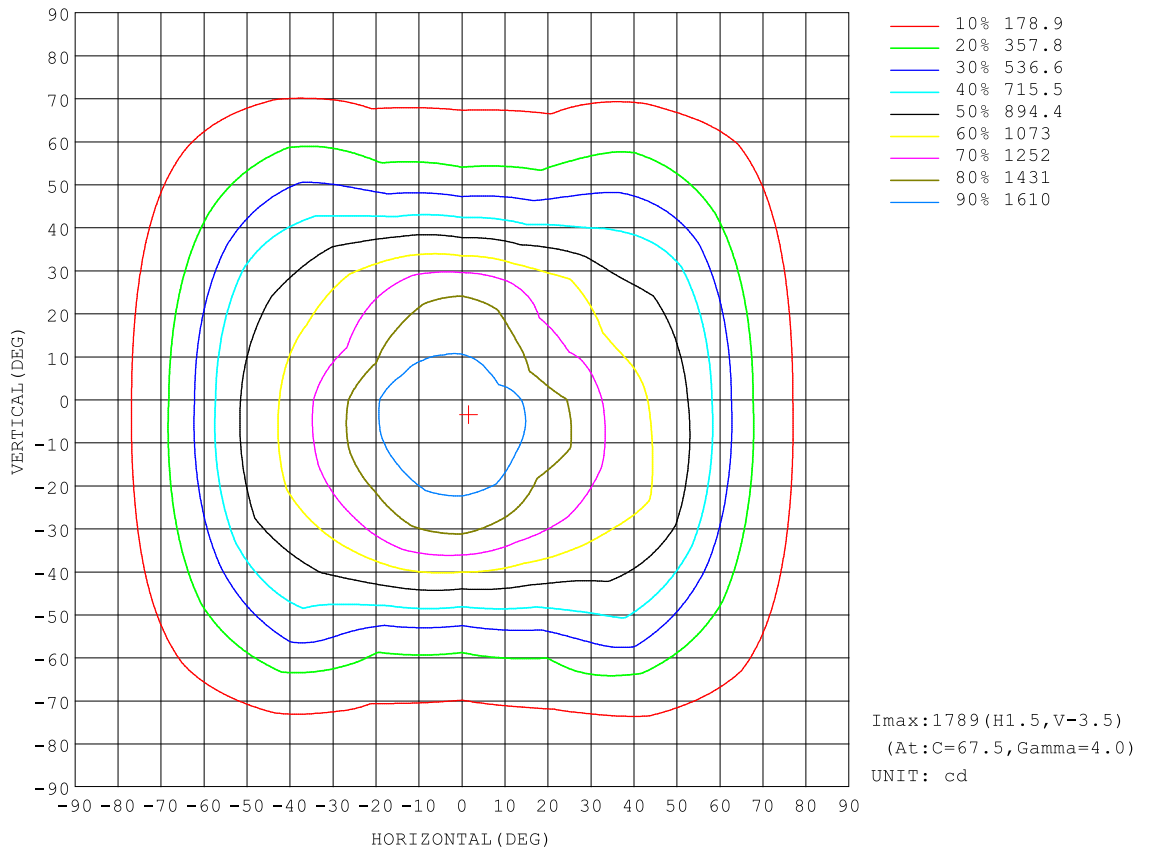
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	61	50	43	60	50	43	59	49	43	37
0.80	71	60	53	70	60	53	68	59	53	46
1.00	79	69	62	78	68	62	76	69	61	54
1.25	86	76	70	84	76	69	82	74	68	61
1.50	91	82	75	89	81	75	86	79	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	88	98	92	87	95	89	85	77
3.00	104	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	100	97	93	85
5.00	109	105	101	107	103	100	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-10-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity:65.0%  
 Test Distance:7.100m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:



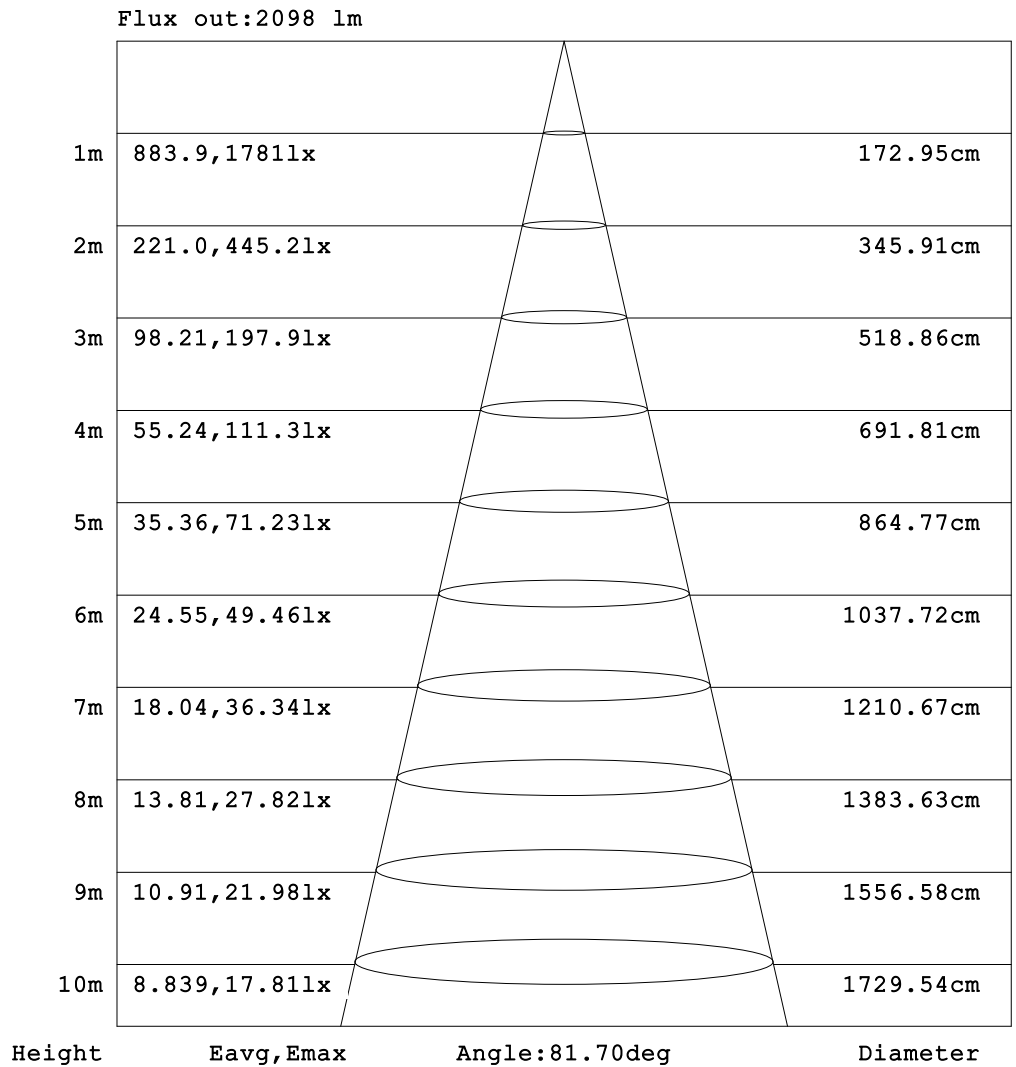
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:



**AAI Figure**

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:



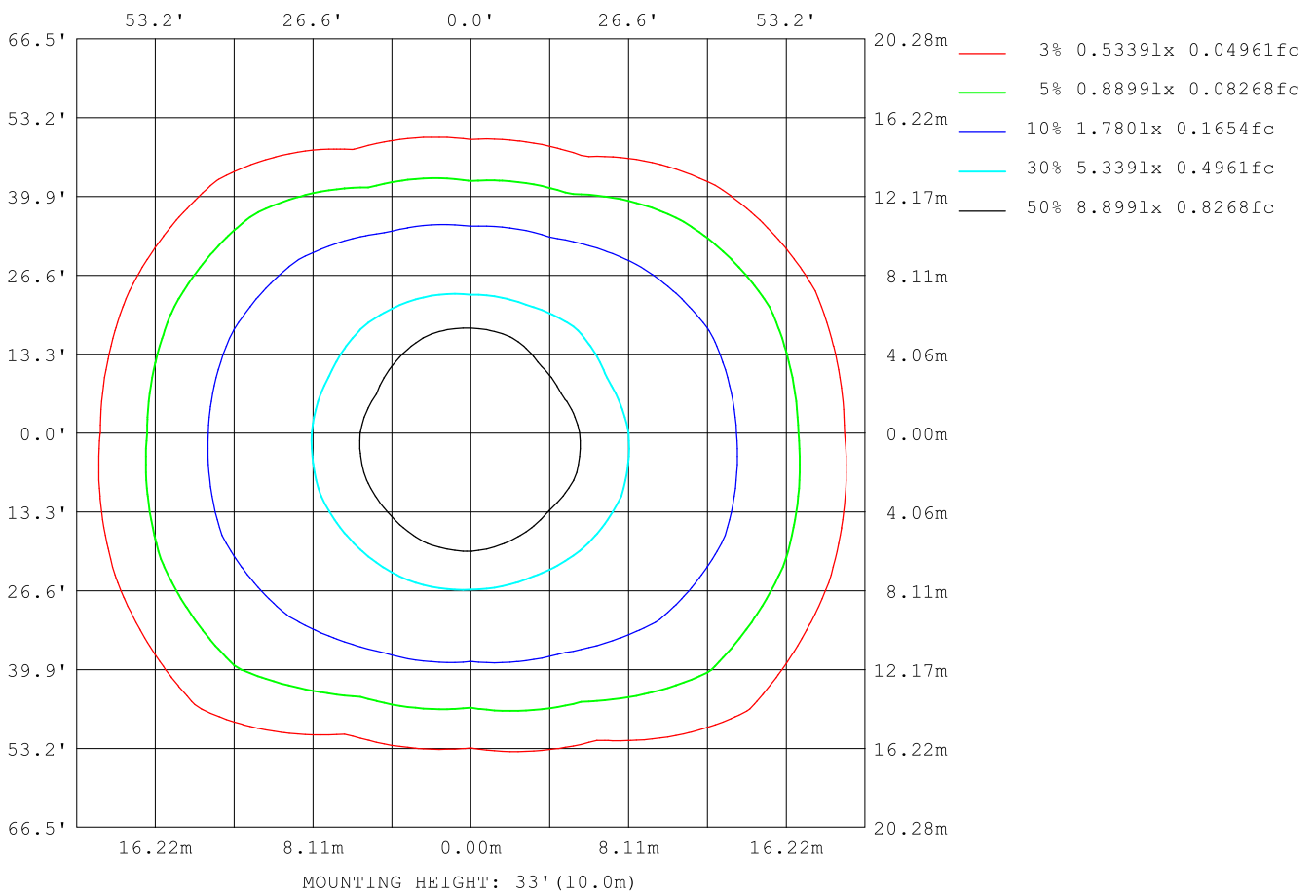
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-10-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:

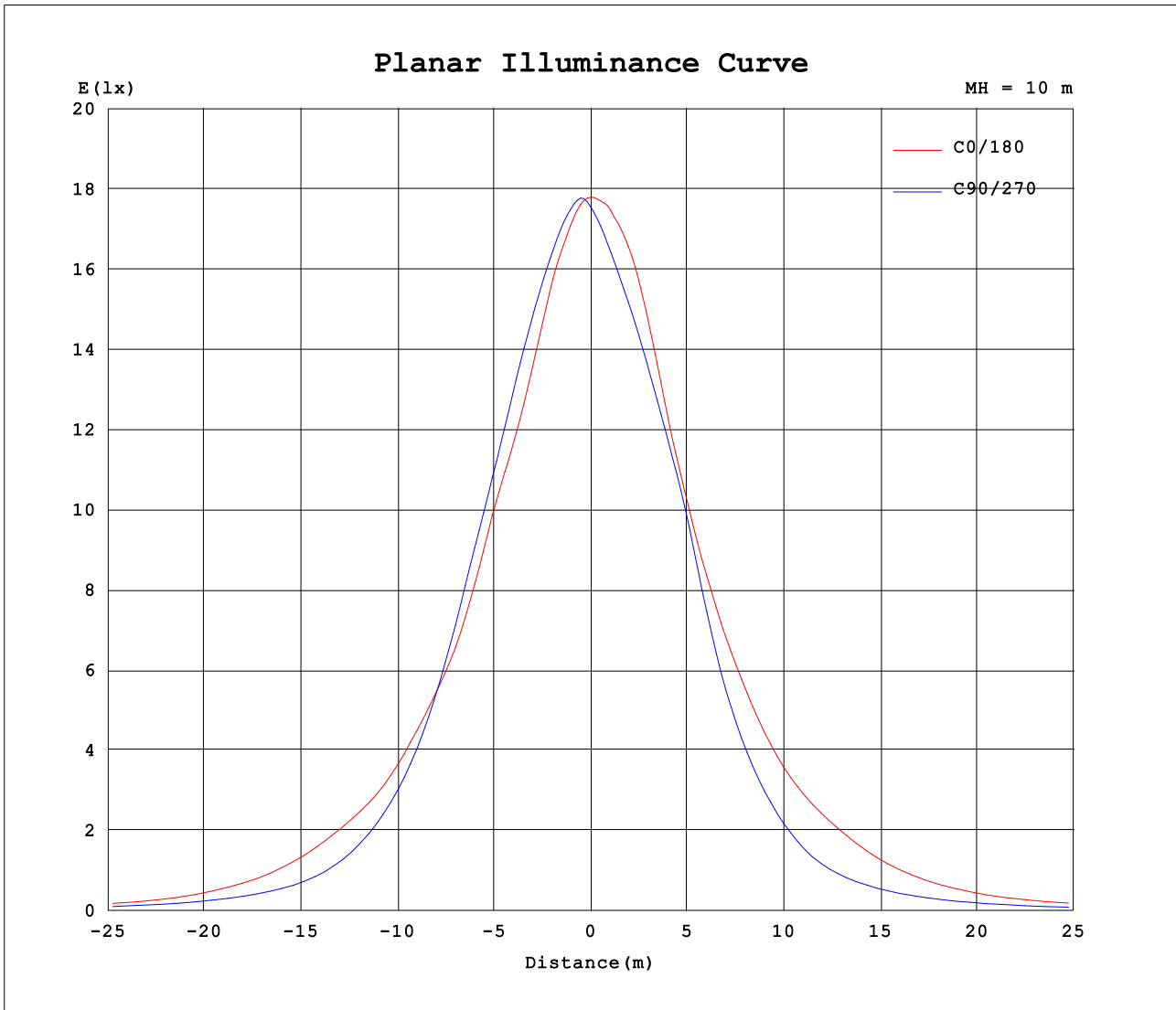
AvgL	cd/m2
L_0~180 (65) av	90296
L_0~180 (75) av	70222
L_0~180 (85) av	62960
L_90~270 (65) av	46273
L_90~270 (75) av	33142
L_90~270 (85) av	16398
L_45 (65) av	95253
L_45 (75) av	72676
L_45 (85) av	39562

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-10-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:120.48V I:0.2527A P:30.244W PF:0.9932 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3993.44x1 lm		
NAME: 1000012002 TS-FL0803-30W-D-K-80*110-5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 0.16*0.076	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1780	1773	1769	1761	1756	1747	1742	1734	1780	1773	1769	1761	1756	1747	1742	1734			
5	1749	1775	1785	1786	1783	1778	1778	1762	1779	1743	1713	1688	1683	1677	1679	1684			
10	1685	1734	1735	1753	1752	1756	1757	1764	1758	1688	1647	1624	1616	1606	1592	1594			
15	1584	1634	1664	1705	1707	1716	1713	1715	1704	1607	1577	1560	1559	1537	1503	1484			
20	1481	1525	1556	1631	1647	1653	1634	1620	1586	1474	1483	1491	1492	1466	1393	1357			
25	1424	1459	1433	1521	1565	1570	1528	1511	1462	1344	1360	1412	1411	1384	1272	1277			
30	1319	1388	1343	1402	1463	1465	1408	1398	1348	1235	1259	1283	1231	1225	1186	1205			
35	1197	1267	1271	1258	1300	1330	1285	1282	1241	1147	1159	1094	1003	1018	1112	1092			
40	1127	1188	1158	1084	1077	1136	1151	1178	1134	1065	1033	899	802	823	988	1006			
45	1030	1133	1026	907	851	927	1019	1072	1014	971	902	708	617	648	827	956			
50	939	1036	933	732	638	722	897	964	923	879	777	538	445	491	710	886			
55	831	913	835	559	452	524	774	867	795	777	656	403	341	366	598	787			
60	641	735	717	406	335	375	679	696	616	609	530	305	265	277	480	624			
65	442	530	564	304	250	275	531	511	443	444	400	230	203	212	374	453			
70	295	367	379	228	177	204	371	373	318	304	285	169	150	159	268	299			
75	209	250	260	142	97.5	130	255	248	212	213	186	117	101	112	172	207			
80	129	155	132	55.1	41.3	56.8	124	148	128	126	116	71.6	59.2	69.0	104	136			
85	63.5	60.5	30.3	15.3	10.8	15.9	25.5	56.1	63.8	63.1	55.7	30.8	22.3	27.3	48.5	66.3			
90	17.2	18.8	14.4	9.83	6.56	9.48	11.6	15.5	17.9	20.0	20.7	16.0	10.4	14.4	18.1	20.6			
95	12.9	9.56	5.19	4.02	3.32	4.02	3.65	5.66	7.89	9.82	10.7	9.25	7.12	10.2	16.5	15.5			
100	6.14	4.97	3.56	2.95	2.64	3.01	3.60	3.92	5.34	5.99	5.24	6.89	6.50	5.58	6.89	7.51			
105	4.81	4.19	3.77	3.83	3.75	4.12	3.83	4.25	5.67	5.92	5.84	5.33	4.88	4.89	5.44	5.87			
110	4.97	4.64	4.17	3.72	3.52	4.00	4.22	4.70	6.27	6.58	6.52	6.07	5.92	5.72	6.13	6.27			
115	5.51	5.13	4.70	4.31	4.32	4.42	4.76	5.16	6.95	7.25	7.22	6.88	6.61	6.65	6.96	7.05			
120	6.12	5.76	5.43	5.08	4.89	5.10	5.43	5.76	7.71	7.93	7.83	7.68	7.53	7.59	7.81	7.87			
125	6.89	6.44	6.16	5.91	5.78	5.86	6.09	6.40	8.41	8.60	8.40	8.53	8.40	8.56	8.64	8.67			
130	7.80	7.19	6.80	6.69	6.62	6.59	6.65	7.09	9.21	9.24	9.07	9.28	9.29	9.42	9.36	9.46			
135	8.36	7.85	7.58	7.34	7.17	7.22	7.40	7.65	9.74	9.69	9.78	9.78	10.1	10.0	10.1	10.2			
140	9.27	8.85	8.53	8.26	8.02	8.11	8.29	8.58	10.1	10.5	10.4	10.4	10.7	10.6	10.8	10.8			
145	10.1	9.76	9.26	9.00	8.75	8.96	9.10	9.49	11.4	11.1	11.1	11.2	10.8	11.1	11.3	11.3			
150	10.8	10.4	9.95	9.52	9.41	9.64	9.90	10.3	12.0	12.1	11.9	11.7	11.4	11.6	12.0	12.1			
155	11.8	11.3	10.7	10.3	10.3	10.6	10.9	11.4	12.7	12.8	12.9	12.7	12.2	12.4	12.8	12.7			
160	12.6	11.9	11.5	11.1	11.4	11.6	11.9	12.3	13.2	13.4	13.4	13.3	13.6	13.2	13.1	13.2			
165	13.3	12.8	12.3	12.2	12.4	12.6	12.8	13.2	13.9	14.1	14.0	14.1	14.3	14.1	13.8	13.8			
170	13.6	13.2	13.0	13.0	13.1	13.3	13.5	13.7	14.0	14.1	14.2	14.1	14.1	14.1	14.1	14.0			
175	14.0	13.6	13.6	13.6	13.8	13.8	13.9	14.0	14.1	14.0	14.1	14.2	14.2	14.1	14.3	14.1			
180	14.5	14.2	14.0	14.3	14.3	14.4	14.3	14.4	14.5	14.2	14.0	14.3	14.3	14.3	14.3	14.4			

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## Photometric Data Table [cd]

G/C	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	1780	1773	1769	1761	1756	1747	1742	1734	1780	1773
3.0	1769	1779	1787	1788	1785	1777	1767	1749	1778	1754
6.0	1737	1769	1780	1781	1777	1775	1778	1764	1774	1732
9.0	1698	1745	1748	1764	1761	1763	1762	1768	1763	1699
12.0	1648	1705	1712	1734	1734	1742	1743	1753	1745	1662
15.0	1584	1634	1664	1705	1707	1716	1713	1715	1704	1607
18.0	1520	1563	1602	1666	1673	1681	1669	1662	1639	1530
21.0	1468	1507	1530	1612	1633	1637	1613	1599	1558	1446
24.0	1435	1469	1455	1544	1583	1587	1549	1533	1485	1368
27.0	1394	1438	1394	1476	1527	1530	1483	1466	1417	1299
30.0	1319	1388	1343	1402	1463	1465	1408	1398	1348	1235
33.0	1242	1312	1302	1320	1376	1390	1330	1327	1285	1179
36.0	1179	1244	1254	1226	1258	1295	1263	1260	1221	1131
39.0	1140	1198	1185	1121	1123	1176	1183	1199	1157	1082
42.0	1096	1171	1103	1012	985.4	1050	1096	1139	1085	1030
45.0	1030	1133	1026	906.7	851.1	926.7	1019	1072	1014	970.6
48.0	968.1	1082	965.9	801.5	721.4	803.9	946.6	1006	956.0	914.7
51.0	923.7	1011	915.9	696.7	596.4	679.0	871.0	946.4	904.6	862.1
54.0	859.3	938.7	857.2	592.9	484.6	558.5	797.4	890.3	827.1	802.1
57.0	761.1	850.7	790.3	493.2	397.2	458.8	733.1	809.9	726.3	714.3
60.0	641.4	734.7	716.6	405.6	334.6	374.7	679.3	695.6	616.1	608.6
63.0	522.6	607.8	631.9	337.1	282.2	311.7	603.4	581.0	508.7	505.9
66.0	408.3	491.8	526.1	289.4	235.0	259.6	494.4	477.4	412.9	414.3
69.0	319.9	392.1	415.1	244.1	191.4	217.1	400.0	396.9	340.0	327.5
72.0	254.0	320.7	321.4	198.0	145.6	179.9	323.1	323.9	274.7	266.2
75.0	209.3	249.5	260.3	142.4	97.54	130.5	255.0	247.6	212.4	212.9
78.0	161.5	197.6	184.4	90.33	62.07	87.69	168.3	185.2	159.9	158.5
81.0	112.7	135.1	112.3	45.37	28.98	47.72	101.3	127.6	113.2	112.4
84.0	74.69	78.82	42.38	17.10	12.10	17.29	35.71	69.58	73.44	73.78
87.0	43.95	33.65	19.69	14.87	9.279	14.99	19.51	27.78	43.00	42.87
90.0	17.19	18.78	14.36	9.826	6.565	9.482	11.56	15.45	17.92	19.98
93.0	14.40	13.37	6.699	5.302	4.066	5.212	5.525	7.322	14.31	14.67
96.0	11.28	7.280	4.615	3.646	3.083	3.695	3.428	5.148	6.588	7.288
99.0	6.601	5.377	3.574	2.901	2.676	2.949	3.477	4.066	5.414	6.210
102.0	5.474	4.369	3.594	3.348	2.786	3.378	3.672	4.033	5.360	5.709
105.0	4.808	4.195	3.767	3.833	3.749	4.120	3.827	4.253	5.670	5.925
108.0	4.774	4.470	4.001	3.496	3.278	3.583	4.133	4.518	6.021	6.308
111.0	5.085	4.728	4.264	3.862	3.747	4.285	4.323	4.777	6.414	6.691
114.0	5.401	5.022	4.591	4.191	4.289	4.349	4.648	5.060	6.799	7.102
117.0	5.744	5.344	4.977	4.604	4.554	4.671	5.012	5.364	7.240	7.510
120.0	6.123	5.760	5.429	5.079	4.894	5.103	5.430	5.759	7.714	7.934
123.0	6.519	6.156	5.865	5.585	5.365	5.546	5.832	6.147	8.128	8.345
126.0	7.119	6.593	6.259	6.082	5.962	6.023	6.190	6.534	8.557	8.735
129.0	7.635	7.048	6.642	6.570	6.460	6.467	6.549	6.945	9.051	9.118
132.0	7.947	7.430	7.097	6.922	6.757	6.795	6.933	7.302	9.509	9.408
135.0	8.358	7.852	7.578	7.344	7.167	7.224	7.397	7.650	9.740	9.691
138.0	8.884	8.354	8.124	7.807	7.656	7.670	7.882	8.079	9.849	10.17
141.0	9.444	9.050	8.688	8.451	8.190	8.326	8.453	8.795	10.27	10.56
144.0	10.03	9.624	9.174	8.920	8.657	8.849	8.994	9.362	11.16	10.92
147.0	10.40	9.923	9.558	9.114	9.041	9.150	9.430	9.694	11.70	11.50
150.0	10.80	10.44	9.946	9.518	9.408	9.641	9.898	10.29	12.00	12.07
153.0	11.36	10.92	10.37	9.970	9.917	10.22	10.48	10.92	12.27	12.51
156.0	11.99	11.43	10.90	10.47	10.60	10.79	11.15	11.57	12.85	12.93
159.0	12.42	11.81	11.37	10.98	11.18	11.38	11.72	12.09	13.14	13.36
162.0	12.81	12.27	11.82	11.54	11.78	11.97	12.28	12.64	13.70	13.82
165.0	13.27	12.76	12.30	12.16	12.36	12.58	12.83	13.19	13.94	14.05
168.0	13.54	13.09	12.73	12.71	12.87	13.06	13.23	13.59	13.99	14.05
171.0	13.69	13.31	13.17	13.14	13.28	13.40	13.60	13.82	14.06	14.07
174.0	13.91	13.51	13.50	13.48	13.69	13.64	13.88	13.98	14.09	14.04
177.0	14.48	13.97	13.86	14.05	14.12	14.16	14.15	14.19	14.47	14.14
180.0	14.45	14.21	14.01	14.30	14.31	14.36	14.29	14.39	14.50	14.17
G/C	225.0	247.5	270.0	292.5	315.0	337.5				
0.0	1769	1761	1756	1747	1742	1734				
3.0	1734	1719	1714	1708	1708	1709				
6.0	1702	1674	1669	1662	1663	1666				
9.0	1660	1638	1629	1619	1609	1612				
12.0	1621	1600	1594	1579	1556	1556				
15.0	1577	1560	1559	1537	1503	1484				
18.0	1524	1519	1519	1494	1441	1403				
21.0	1459	1477	1478	1452	1369	1337				
24.0	1385	1429	1432	1404	1295	1290				
27.0	1317	1369	1355	1334	1232	1253				
30.0	1259	1283	1231	1225	1186	1205				

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-10-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks:

### Photometric Data Table [cd]

33.0	1201	1172	1092	1099	1143	1136
36.0	1135	1056	960.8	978.7	1094	1071
39.0	1057	939.4	839.9	862.3	1018	1017
42.0	980.0	819.1	728.0	749.2	922.3	987.9
45.0	901.8	707.9	616.5	647.9	827.3	955.8
48.0	825.2	605.0	507.6	552.4	750.6	916.0
51.0	751.6	507.5	419.8	462.8	688.9	870.6
54.0	679.9	426.7	358.1	387.9	621.8	811.8
57.0	605.4	360.0	308.8	328.4	551.6	726.5
60.0	529.7	305.2	264.7	276.6	480.2	623.7
63.0	452.3	258.3	226.5	235.6	417.4	519.7
66.0	373.8	217.3	192.4	200.2	349.9	419.5
69.0	306.3	180.7	160.1	168.7	288.1	325.7
72.0	243.6	147.5	129.7	139.1	229.1	250.9
75.0	185.8	116.6	101.5	112.2	171.7	206.9
78.0	143.5	88.97	75.52	86.55	127.6	166.3
81.0	103.0	63.02	51.48	58.80	91.62	120.7
84.0	66.45	38.36	29.33	34.39	51.58	78.59
87.0	33.14	18.14	12.63	16.23	30.94	43.78
90.0	20.70	16.00	10.36	14.36	18.07	20.63
93.0	19.20	13.95	8.151	11.24	19.59	18.09
96.0	8.585	7.662	6.529	8.882	14.40	13.87
99.0	6.753	6.947	6.845	5.179	8.810	8.299
102.0	5.443	5.948	5.899	4.544	5.596	6.616
105.0	5.839	5.330	4.884	4.892	5.437	5.869
108.0	6.251	6.305	5.742	5.387	5.812	5.988
111.0	6.658	6.217	5.910	5.901	6.293	6.420
114.0	7.076	6.705	6.418	6.471	6.786	6.888
117.0	7.473	7.182	6.974	7.030	7.288	7.374
120.0	7.831	7.683	7.531	7.586	7.808	7.871
123.0	8.206	8.203	8.036	8.181	8.373	8.366
126.0	8.553	8.688	8.595	8.751	8.766	8.827
129.0	8.931	9.146	9.099	9.260	9.190	9.284
132.0	9.393	9.413	9.630	9.707	9.661	9.797
135.0	9.776	9.777	10.07	10.01	10.10	10.20
138.0	10.15	10.17	10.54	10.34	10.54	10.55
141.0	10.52	10.62	10.55	10.72	10.84	10.90
144.0	11.00	11.04	10.74	11.02	11.19	11.18
147.0	11.42	11.42	11.06	11.27	11.60	11.61
150.0	11.90	11.72	11.41	11.62	11.98	12.07
153.0	12.47	12.39	12.28	12.15	12.45	12.38
156.0	13.02	12.84	12.23	12.59	12.86	12.79
159.0	13.38	13.25	13.42	13.08	13.12	13.14
162.0	13.77	13.77	14.01	13.69	13.54	13.60
165.0	14.03	14.08	14.35	14.07	13.81	13.79
168.0	14.14	14.12	14.00	14.08	14.04	13.92
171.0	14.16	14.15	14.13	14.06	14.14	14.04
174.0	14.13	14.16	14.18	14.09	14.22	14.11
177.0	14.13	14.18	14.39	14.18	14.32	14.28
180.0	14.04	14.25	14.34	14.32	14.31	14.36

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-10-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.446  
 Humidity: 65.0%  
 Test Distance: 7.100m [K=1.0000]  
 Remarks: